Technical sheet :

MSI 25 ST5

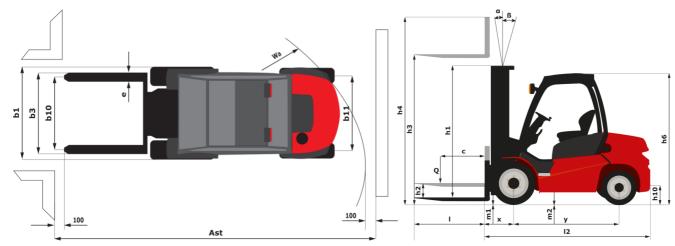




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	Technical characteristics	
1.1	Manufacturer	
1.2	Model Name	
1.3	Power source	
1.4	Operator type	
1.5	Max. capacity	Q
1.6	Load center of gravity	c
1.8	Load distance, centre of drive axle to fork	
1.0	Wheelbase	x
1.9	Standard mast reference of the machine	у
0.1	Weight	
2.1	Service weight	
2.2	Weight on front axle (laden) / rear axle (laden)	
2.3	Weight on front axle (Unladen) / rear axle (Unladen)	
	Wheels	
3.1	Tires type	
3.2	Dimensions of front wheels	
3.3	Dimensions of rear wheels	
3.5	Number of front wheels / rear wheels	
3.5.2	Number of drive wheels	
3.6	Front wheel gauge	b1
3.7	Rear wheel gauge	b1
	Dimensions	
4.7	Height of overhead guard (cabin)	ht
4.8	Seat height/stand height	h
4.19	Overall length	11
4.20	Length to face of forks	12
4.21	Overall width	bʻ
4.22	Forks section / width / length	s / e
4.23	Fork carriage ISO 2328 (class/form) A/B	
4.24	Fork carriage width	b
4.31	Ground clearance below mast	m
4.32	Ground clearance at centre of wheelbase	m
4.33	Aisle Width for pallets 1000 x 1200 crossways	As
4.35	Turning radius	W
	Performances	
5.1	Travel speed (laden / unladen)	
5.2	Lifting speed (laden / unladen)	
5.3	Lowering speed (laden / unladen)	
5.5	Drawbar pull (Laden)	
5.7	Gradeability (laden)	
5.10	Service brake	
	Transmission type	
	Engine	
7.1	Engine brand / model / norm	
7.2	I.C. Engine power rating	
7.3	Rated speed	
7.4	Number of cylinders / Capacity of cylinders	
	Miscellaneous	
8.1	Type of drive control	
8.2	Working hydraulic pressure for attachments	
8.3	Oil flow rate for attachments	
8.4	Sound level at the driver's ear according to DIN 12 053	
0.4	count inter at the arter's car according to pirt 12 000	

T5	Creater	
		Metric
		Manitou
		MSI 25 ST5
		Diesel
		Seated
Q		2500 kg
С		500 mm
х		621 mm
у		1900 mm
		FVD 33
		3900 kg
		5730 kg / 670 kg
		1590 kg / 2310 kg
		Pneumatic
		300-15/18 6T P43
		7.00-12/12 ED PLUS
		2/2
10		2
o10		1044 mm 1108 mm
o11		1108 mm
h6		2095 mm
h7		972 mm
11		4193 mm
12		2993 mm
b1		1330 mm
e/l		40 mm x 100 mm x 1200 mm
		2A
b3		1260 mm
m1		260 mm
m2		238 mm
Ast		4641 mm
Wa		2620 mm
		21 km/h-21 km/h
		0.50 m/s-0.50 m/s
		0.50 m/s-0.30 m/s
		1900 daN
		31 %
		Hydraulic brakes by loss of pressure
		Hydrostatic
		Kubota / D1803 CRT E5B / Stage V
		37 kW
		2700 rpm
		3 - 1826 cm³
		Electronic
		220 bar
		45 l/min
		81 dB

MSI 25 ST5 - Dimensional drawing



Characteristics of masts and residual capacities

Full Visibility Duplex (FVD)		FVD 30	FVD 33	FVD 37	FVD 40	FVD 45
α - Mast/fork carriage tilt, forward	۰	12	12	12	12	12
β - Mast/fork carriage tilt, backward	۰	10	10	10	10	10
h1 - Mast lowered height	mm	2136	2286	2546	2736	2986
h2 - Mast free lift	mm	85	85	85	85	85
h3 - Mast lifting height	mm	3000	3300	3700	4000	4500
h4 - Mast extended height	mm	3738	4038	4438	4738	5238
Residual capacity at max height	kg	2500	2500	2500	2500	2500
Residual capacity with hooked-on side shift at max heigth	kg	2500	2500	2500	2500	2500
Height at max capacity	mm	3000	3300	3700	4000	4500
Height at max capacity with hooked-on sideshift	mm	3000	3300	3700	4000	4500

Free Lift Triplex (FLT)		FLT 34	FLT 37	FLT 40	FLT 43	FLT 47	FLT 55	FLT 60
α - Mast/fork carriage tilt, forward	٥	12	12	12	12	12	6	6
β - Mast/fork carriage tilt, backward	٥	10	10	10	10	10	6	6
h1 - Mast lowered height	mm	1936	2036	2136	2286	2386	2736	2986
h2 - Mast free lift	mm	1183	1283	1383	1483	1633	1893	2083
h3 - Mast lifting height	mm	3400	3700	4000	4300	4700	5500	6000
h4 - Mast extended height	mm	4184	4484	4784	5116	5484	6356	6916
Residual capacity at max height	kg	2500	2500	2500	2500	2500	2300	
Residual capacity with hooked-on side shift at max heigth	kg	2500	2500	2500	2500	2500	2300	
Height at max capacity	mm	3400	3700	4000	4300	4700	5200	2500
Height at max capacity with hooked-on sideshift	mm	3400	3700	4000	4300	4700	5200	

Full Visibility Triplex (FVT)		FVT 33
a - Mast/fork carriage tilt, forward	۰	12
β - Mast/fork carriage tilt, backward	۰	10
h1 - Mast lowered height	mm	1826
h2 - Mast free lift	mm	72
h3 - Mast lifting height	mm	3300
h4 - Mast extended height	mm	4027
Height at max capacity	mm	2500



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